

NOSOV, S.D.; BUDKEVICH, V.B.; LEVINA, S.S.; METEL'KOVA, Ye.M.; PESIKOVA, M.I.;
FILICHEVA, Z.V.

Reducing hospitalization time in scarlet fever. Zhur.mikrobiol.epid.
i immun. no.3:19-23 Mr '54. (MLRA 7:4)

1. Iz kafedry detskikh infektsionnykh bolezney (saveduyushchiy - profes-
sor S.D.Nosov) Ivanovskogo meditsinskogo instituta. (Scarlet fever)

S/126/62/013/005/026/031
E073/E435

AUTHORS: Levina, S.S., Novogrudskiy, V.N., Fakidov, I.G.
TITLE: Galvanomagnetic properties of the ferrimagnetic
compound Mn_5Ge_2
PERIODICAL: Fizika metallov i metallovedeniye, v.13, no.5, 1962,
782-783

TEXT: The temperature dependence of the transverse galvanomagnetic effect of Mn_5Ge_2 was investigated using the same technology as that used by K. Yasukochi et al (J. Phys. Soc., Japan, 1960, 15, 932). The compensation temperature of the specimen was $130^\circ C$. The electric resistance was measured by means of compensation equipment, having a sensitivity of 2×10^{-8} volt/scale division. Preliminary conclusions:

1. The temperature dependence of the electric conductivity of Mn_5Ge_2 is similar to that of metals.
 2. According to a plot of the temperature dependence for an external field intensity of 16000 Oersted, the transverse galvanomagnetic effect changes in sign on passing through the compensation temperature in a like manner to the
- Card 1/2

Galvanomagnetic properties ...

S/126/62/013/005/026/031
E073/E435

longitudinal effect in $\text{Li}_2\text{O} \cdot 2.5\text{Fe}_2\text{O}_3 \cdot 2.5\text{Cr}_2\text{O}_3$.

A change in the sign $\Delta R_{\perp}/R$ was observed in a substance containing other magneto-active ions and having a type of conductivity different from that of the ferrite (lithium chromite) used by Belov et al (ZhETF, 1960, 39, 1914). This permits assuming that the change in sign in a magnetic field in the neighbourhood of the compensation point is a characteristic property of a number of ferrimagnetics having such a point. There is 1 figure.

[Abstractor's note: Slightly abridged translation.]

ASSOCIATION: Institut fiziki metallov AN SSSR
(Institute of Physics of Metals AS USSR)

SUBMITTED: September 10, 1961.

Card 2/2

LEVINA, S.S.; NOVOGRUDSKIY, V.N.; FAKIDOV, I.G.

Odd component of the galvanomagnetic effect in the ferrimagnetic compound Mn_5Ce_2 . Zhur. eksp. i teor. fiz. 45 no.2:52-55 Ag '63. (MIRA 16:9)

1. Institut fiziki metallov AN SSSR.
(Ferrimagnetism)

43120

S/101/62/004/011/019/049
B104/B102

24 2200

AUTHORS: Levina, S. S., Novogrudskiy, V. N., and Pakidov, I. G.TITLE: The magnetic properties of the intermetallic compound Mn_5Ge_2

PERIODICAL: Fizika tverdogo tela, v. 4, no. 11, 1962, 3185 - 3188

TEXT: The hysteresis loops and magnetization curves of polycrystalline samples of Mn_5Ge_2 prepared according to the method of K. Yasukichi, K. Kanametsu and T. Ohoyama (J. Phys. Soc. Japan, 15, 932, 1960) were established using a torsion balance in vacuum. The compensation point, i.e., that temperature at which the magnetic moments of the sublattice balance themselves, was at 122°C. A metallographic investigation showed the presence of a eutectic of $Mn_5Ge_3 + Mn_{3.25}Ge$ on the boundaries of the large Mn_5Ge_2 crystals, the compound $Mn_{3.25}Ge$ being paramagnetic. Since this compound is present only in small quantities the magnetic properties of the base material are only slightly affected. At 18° the material has a coercive force of 1000 oersteds, at 200°C it has 3000 oersteds. In the region of the compensation point the coercive force is considerably increased. This behavior resembles that of lithium chromite ferrite

Card 1/2

LEVINA, S.S.; NOVOGRUDSKIY, V.N.; FAKIDOV, I.G.

Galvanomagnetic properties of Mn_5Ge_2 ferrimagnetic compounds.
Fiz. met. i metalloved. 13 no.5:782-783 My '62. (MIRA 15:6)

1. Institut fiziki metallov AN SSSR.
(Ferrates--Magnetic properties)
(Electromagnetism)

L 16903-63 EWG(k)/EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD Ps-4 AT/JD

ACCESSION NR: AP3005243 S/0056/63/045/002/0052/0055

AUTHOR: Levina, S. S.; Novogrudskiy, V. N.; Pakidov, I. G.

TITLE: Odd component of the galvanomagnetic effect in the ferrimagnetic compound Mn_5Ge_2 .

SOURCE: Zhur. eksper. i teoret. fiz. v. 45, no. 2, 1963, 52-55

TOPIC TAGS: manganese germanium compound, ferrimagnetism, magnetoresistance, compensation point, antiferromagnetic vector

ABSTRACT: The magnetoresistance $\Delta R/R$ of the intermetallic compound Mn_5Ge_2 was investigated in longitudinal and transverse magnetic fields in order to check on the influence of prior application of a magnetic field to a ferrimagnetic material with a compensation point. Polycrystalline specimens were checked and the maximum field was 16000 Oe. The influence of the location of the potential electrodes with respect to the current electrodes on the measured effect was also checked and found to lie within the limits of the experimental error. The results of the test have shown that prior application of the field does affect the magnetoresistance, and most strongly near the compensation point. It is concluded at the same time that

Card 1/12

L 16903-63

ACCESSION NR: AP3005243

at temperatures far from the compensation point the application of the magnetic field gives rise to the odd component in the magnetoresistance of Mn_5Ge_2 in both transverse and longitudinal magnetic fields. The odd effect is linearly dependent on the field, and it is suggested that it is an odd function of the antiferromagnetic vector. Orig. art. has 3 figures and 1 table.

ASSOCIATION: Institut fiziki metallov Akademii nauk SSSR (Metal Physics Institute, Acad. Sci. SSSR)

SUBMITTED: 16Feb63

DATE AQ: 06Sep63

ENCL: 02

SUB CODE: PH

NO REF SOV: 005

OTHER: 000

Card 2/A2

LEVINA, S.S.; NOVOGRUDSKIY, V.N.; PAKIDOV, I.G.

Magnetic properties of the intermetallic compound:

Mn_5Ge_2 . Fiz. tver. tela 4 no.11:3185-3188 N '62.

(MIRA 15:12)

1. Institut fiziki metallov AN SSSR, Sverdlovsk.
(Intermetallic compounds—Magnetic properties)

LEVINA, S. V. Cand. Med. Sci.

Dissertation: "The Electrocardiographic Study of an Extirpated Rabbit Heart Subject to the Action of Aniline." Central Inst. for Advanced Training of Physicians. 8 Jul 47.

SO: Vechernyaya Moskva, Jul, 1947 (Project #17836)

LEVINA, S. V.

S. V. Levina, B. S. Livshits and M. M. Vitsnudel' - "Device for Sending Inductive Signals."

Authors' Certificates, Elektrosvyaz', 1958, No. 7, pp '77.

BC		0-3	
Catalytic transformations of 1-vinyl-Δ⁴-cyclohexene and 1-acetylcyclohexene. R. J. LEVINA and S. J. LEVINA, J. Gen. Chem. Russ., 1966, 6, 1776-1778. (U.S.S.R. II, 306).—1-Vinyl-Δ⁴-cyclohexene passed over Pt-O at 200-300° in CCl₄ yields PhE. and ethylcyclohexane. 1-Acetyl-Δ⁴-cyclohexene similarly gives only PhE. R. T.			
AD-554 METALLURGICAL LITERATURE CLASSIFICATION			
1966 5700000		1966 5700000	
1966 5700000		1966 5700000	

1751

Synthesis and fundamental constants of mixed sulfides with C₁₁-C₁₈ carbon atoms. I. N. Tito-Skvertsova, S. Ya. Levina, A. I. Leonova, and T. A. Danilova (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 74, 291-4 (1950).—Equimolar amts. of RSH, KOH or NaOH, and RX in EtOH or MeOH are allowed to react by dropwise addn. of RSH to alkali in ROH at steam-bath temp., after which 0.5 hr. at 60-70° completes the formation of RSSNa (or RSK); RX is similarly added and after 1.5-2.0 hrs. at 60-70°, the product is washed with H₂O, and its Et₂O soln. washed with 10% NaOH. Compds. obtained: C₁₁H₂₃SP₄ (84%), b_p 170-1°, m. 21°, n_D²⁰ 1.5213, d₄²⁰ 0.8341; Ph cyclopentyl sulfide (65%), b_p 130-5°, n_D²⁰ 1.5740, d₄²⁰ 1.0571; cyclohexyl decyl sulfide (62%), b_p 161-5°, n_D²⁰ 1.4820, d₄²⁰ 0.8646 (best from C₁₁H₂₃Br; the reverse reaction gives only a 17% yield); cyclopentyl decyl sulfide (72%), b_p 158°, n_D²⁰ 1.4780, d₄²⁰ 0.8533; cyclohexyl cyclopentyl sulfide (67%), b_p 119-20°, n_D²⁰ 1.5118, d₄²⁰ 0.9202; 1-naphthyl decyl sulfide (72%), b_p 231-5°, n_D²⁰ 1.5714, d₄²⁰ 0.9043; 1-naphthyl cyclohexyl sulfide (71.1%), b_p 201-2°, n_D²⁰ 1.6300, d₄²⁰ 1.0433; 5,6,7,8-tetrahydro-2-naphthyl cyclohexyl sulfide (34.0%), prepd. at 120°, best with RSSNa, b_p 187.5-88°, n_D²⁰ 1.5900, d₄²⁰ 1.0343. G. M. K.

TITS-SKVORTSOVA, I.N.: LEVINA, S.YA.,

Sulfur Organic Compounds

Transformations of sulfur compounds on contact with an aluminosilicate catalyst. Uch. zap.
Mosk. un. no. 132, 1950.

Monthly List of Russian Accessions. Library of Congress October 1952. UNCLASSIFIED.

LEVINA, S. Ya.

"Synthesis and Catalytic Conversion of Aliphatic Sulfur compounds Through Their Contact With Aluminosilicate Catalyst," I. N. Tita-Skvortsova, S. Ya. Levina, A. I. Leonova, Ye. A. Karaseva, Lab Petroleum Chem, Moscow State U

"Zhur Obshch Khim" Vol XXI, No 2, pp 242-250, 1951

Obtained aliphatic sulfides and disulfides with C₉ and C₁₀ from corr bromides, and aliphatic mercaptan of C₁₀ from C₁₀ disulfide. Concluded from passing compd formed over aluminosilicate catalyst: (1) At 250° mercaptans (decylmercaptan) from sulfides (didecylsulfide) and alkenes (decene-1), at 300° only alkenes. (2) At 300° sulfides (dinonylsulfide) from alkenes and mercaptans. (3) Disulfides (dinonyldisulfide) from mercaptans which are partly converted into alkenes.

PA 176T13

Organic Chemistry

CA

Mixed oxides with 11-20 carbon atoms and their fundamental constants. I. N. Titokhvortova, S. Ya. Lerman, A. I. Leonova, and T. A. Danilova (Moscow State Univ.), *Zhur. Obshchei Khim.* (J. Gen. Chem.) 22, 135-8 (1952). The compounds were prepd. by the general procedure in which a thiol is added to NaOH in MeOH or EtOH, heated 0.5 hr. at 60-70°, then treated with RX, and kept 1-2 hrs. at 60-70°. PhSK and $C_{10}H_{17}Br$ (I) gave Ph dodecyl sulfide (84.4%), b. 170-1°, m. 21°, n_D 1.5213, d₄ 0.8341. PhSH, b. 68°, n_D 1.4994, d₄ 0.8780. I, b. 97-9°, n_D 1.4630, d₄ 0.8090. PhSK and cyclopentyl bromide (II) gave 65% Ph cyclopentyl sulfide, b. 130.1°, n_D 1.4740, d₄ 0.8371. II, b. 125°, n_D 1.4700, d₄ 0.8363. Na cyclohexylthiolate and I gave 62% cyclohexyl dodecyl sulfide, b. 164-5°, n_D 1.4921, d₄ 0.8446. Cyclohexanethiol, b. 90-1°, n_D 1.4911, d₄ 0.8344; the reversed synthesis of the sulfide gave only 17% yield. K cyclopentylthiolate and I gave 75% cyclopentyl dodecyl sulfide, b. 136°, n_D 1.4778, d₄ 0.8333. Cyclopentanethiol, b. 120°, n_D 1.4693, d₄ 0.8346. I and K cyclohexylthiolate gave 67% cyclohexyl cyclopentyl sulfide, b. 119-20°, n_D 1.4718, d₄ 0.8362. 1-C₁₀H₁₇SK and I gave 72% 1-naphthyl dodecyl sulfide (the reaction requires heating to 120-30°), b. 123-5°, n_D 1.5714, d₄ 0.9003. 1-C₁₀H₁₇SH, b. 142-3°, n_D 1.5902, d₄ 0.9107. Cyclohexyl bromide (III), b. 91-4°, n_D 1.4902, d₄ 0.8357. III, b. 163-4°, n_D 1.4980, d₄ 0.8478. Na 3-tetrahydrocyclopentylthiolate and cyclohexyl chloride (IV) gave 34.5% 3-tetrahydrocyclopentyl cyclohexyl sulfide, b. 147.5-48°, n_D 1.5030, d₄ 0.8613. Tetrahydro-3-naphthol, b. 181-1.5°, n_D 1.5073, d₄ 0.8984. IV, b. 141°, n_D 1.48304, d₄ 0.8000. Cyclohexyl bromide gave an even lower yield. (J. M. Koudapoff)

x Lab. Petroleum Chem.

LEVINA, S. Ya.

1 Jun 52

USSR/Chemistry - Sulfur Compounds,
Petroleum

"Transformation of Some Sulfur Compounds of the Napthene Series Over an Aluminosilica, Catalyst," I. N. Tits-Skvortsova, A. I. Leonova, S. Ya. Levina, Moscow State U
imeni M. V. Lomonosova

"Dok Ak Nauk SSSR" Vol 84, No 4, pp 741-743

Cyclopentanethiol and cyclohexanethiol do not behave alike over an aluminosilica catalyst at 300°. Cyclopentanethiol, losing a mol of H₂S, becomes cyclopentane. The end product of cyclohexanethiol is methylcyclopentane. Apparently, the following process takes place: cyclohexanethiol, losing an H₂S mol, becomes cyclohexane; cyclohexane isomerizes into methylcyclopentane which hydrogenates to methylcyclopentane. Dicyclopentyl sulfide becomes cyclopentene over an aluminosilica catalyst at 300°, the sulfur leaving the mol in the form of H₂S. Dicyclopentyl disulfide is reduced over an aluminosilica catalyst at 300° as a result of destructive hydrogenation into cyclopentane thiol, part of which, losing a mol of H₂S, turns into cyclopentene.

232T11

Catalytic hydrogenations were apparently catalyst of p-thiocresol, diphenyl disulfide, p,p'-dithiol diarside and 2,6-dimethylthioethane. G. M. K., J. Am. Chem. Soc., 70, 1984 (1948).

Lipinsky, S. S.; Langer, R. W. *J. Org. Chem.*, 19, 1014 (1954).
Lipinsky, S. S.; Langer, R. W. *S.S.C.Z.*, 1, 641 (1954).—The aromatic nucleus, in contact above on contact with dimethylarsine, catalyzed a reaction with the para character of the migration of dinitrobenzene to form m-nitrophenol. Thus, p-MeC₆H₄SH changes in part to m-MeC₆H₄SH; dimethylthioethane is not formed. 1954, yield 2 moles H₂SH, the latter then being converted to C₆H₅ and thiophenol. (p-MeC₆H₄SH) at first yields p-MeC₆H₄SH, which then is converted to MePh. 2,6-Dimethylthioethane is totally decomposed, yielding MeC₂H₅SH and benzene in part converted to C and H₂. Reduction of p-MeC₆H₄SO₂Cl with Zn dust in red H₂SO₄ at 0° gave 78.6% p-MeC₆H₄SH, mp. 135°, in 24.5% yield was obtained from p-MeC₆H₄SO₂Cl and H₂ after 2 hrs. following acid with a low % HCl (p-MeC₆H₄SH), in 178–182°, in 44.5% yield from MeC₆H₄SO₂Cl. P₂O₅ in 60% was obtained in poor yield from PhMe₂ and NaCl in EtO, along with much Ph₂S and 1-methyl- (p-MeC₆H₄SO₂Cl, mp. 47°, was obtained in 30.4%, 1.44 mmole 40 g. p-MeC₆H₄SO₂Cl and 30 g. p-MeC₆H₄SH in EtO in the presence of 33 g. liquid KOH, leaving trace of p-MeC₆H₄SH with 100 ml. concd. H₂SO₄ in an acid base reaction. D.D. 4.15 density thioethane, pure product, P₂O₅ in 117° (from 100%). G. M. K.

LEVINA, S. Ye., KARASEVA, Ye. A., TITS-KHUPCHENKO, I. M. and LEONOVA, A. I.

Catalytic Conversion Over Aluminosilicate Catalyst of *p*-Thiocresol, Diphenyl-disulfide, Diethylolthiolate and 2, 6-Dimethyl Thianthrene, page 541, Sbornik statey po obshchey khimii (Collection of Papers on General Chemistry), Vol I, Moscow-Leningrad, 1953, pages 762-766.

Moscow State U, Chair of Petroleum Chemistry

USSR .

Synthesis and catalytic transformations of sulfur compounds of naphthene series on contact with aluminosilicate catalyst. L. N. ILSHAYTSOVA, A. L. LEBOVA, and S. Ya. LEVINA (M. V. Lomonosov State Univ., Moscow). *Sovetskii Khimicheskii Referativnyi Zhurnal* 2, 1137-43 (1953).
 KOH (28.1 g.) in 125 ml. EtOH satd. with H₂S with cooling and treated at reflux with 71.5 g. cyclopentyl bromide, then refluxed 1 hr. gave 62% cyclopentanethiol, b_p 129-31°, n_D²⁰ 1.4880, d₄²⁰ 0.9550, and 5.8% dicyclopentyl sulfide, b_p 133-4°, n_D²⁰ 1.5140, d₄²⁰ 0.9710. A 39.5% yield was obtained from cyclopentylmagnesium bromide and S. The pure thiol, b_p 129.5-30.5°, n_D²⁰ 1.4871, d₄²⁰ 0.9531; the disulfide, b_p 140.5-1°, n_D²⁰ 1.5482, d₄²⁰ 1.0540, formed in 5% yield from the Grignard synthesis. Cyclopentanethiol passed over aluminosilicate catalyst at 300° gave 33.1% cyclopentene, 16.5% unchanged thiol, 69.1% H₂S, a little CO, 4.65% olefins, 5.6% O, and 15.3% H₂; the reaction was run in N stream. Reaction of cyclohexylmagnesium bromide with S gave 69% cyclohexanethiol, b_p 84-9°, n_D²⁰ 1.4920, d₄²⁰ 0.9419, along with 3.4 g. corresponding disulfide, b_p 166-8°, n_D²⁰ 1.5476, d₄²⁰ 1.0178. The thiol passed in N over aluminosilicate catalyst at 300° gave 43% (on catalyze obtained in 49% yield) methylcyclopentane, 6.4% unchanged thiol, and much H₂S; the isolation of the hydrocarbon was preceded by treatment with 90% H₂SO₄ to remove unsatd. compds. (probably cyclohexene). Cyclohexene passed over the catalyst at 300° gave no change. Cyclohexene gave 27% methylcyclopentane and small amounts of methylcyclopentene, along with aromatic substances. Cyclopentene over the aluminosilicate catalyst at 300° gave no reaction.

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Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

75

Catalytic transformations over aluminosilicate catalyst of thiophene, 1, dithioresorcinol, thianthrene, and diphenyl sulfide. I. N. Tish-Skvoritova, A. I. Lomonov, S. Ya. Levina, and R. A. Kozlovskaya (Moscow State Univ.). *Zhur. Khim. i Khim. 23*, 203-10 (1953).—The various S deriva. were passed over the $Al_2O_3 \cdot SiO_2$ catalyst in N at space velocity 0.25. In all cases H_2S evolution was noted. PbSH was used at 200°, 300°, and 500°. In all cases the catalyze was a mixt. of liquid and solid products distributed as follows: at 200° C_6H_6 49.5, thianthrene 11.1, and PbSH 7.7; at 300° 42.2, 15.9, and 6.6%, resp.; at 500° 30-3, 10-12.7, 14.6-17.7%, resp. Possibly more PbSH is retained by the catalyst at the lower than at the higher temp. (500°). Pure thianthrene m. 155° (from EtOH). $CISO_2H$ (1950 g.) heated with 195 g. C_6H_6 , 2 hrs. at 150-60°, cooled, and poured into ice, yielded 70.8% $m-C_6H_4(SO_2Cl)$ (29.2% pure), m. 81-1.5° (from petr. ether). This (75 g.) added to 180 g. Zn dust and 200 ml. H_2O at 60°, then heated with 20 g. Zn 10 min. to 70°, cooled, treated with dil. HCl (1 kg. concd. HCl and 600 ml. H_2O), then treated with 25 g. more Zn dust, stirred 2 hrs. at 20°, and the resulting ppt. extd. with Et_2O gave 77.7% $m-C_6H_4(SH)_2$, m. 26-6.5°, b_p 128-8.5°. Passage of this (29 g.) over the catalyst at 300° gave 23.1% catalyze contg. C_6H_6 23.8, PbSH 11.9, 25.3% thianthrene, and 52.1% H_2S , along with CO_2 0.26, O 1.8, and H 10.5% in the off-gases. Thianthrene passed over the catalyst at 400° yielded 22% catalyze which gave 36% C_6H_6 , some PbSH and 45% unchanged thianthrene. Addn. of 91 g. $AlCl_3$ to 177 g. C_6H_6 , then 85 g. S_2Cl_2 and 81.5 g. C_6H_6 at 10-13°, stirring 1 hr. without cooling and 1.5 hrs. at 30-40°, treatment with ice, filtration of the org. layer, evapn., soln. in MeOH, and refiltration from S gave 70.6% PbSH, b_p 162.5°, n_D²⁰ 1.6312, d₄ 1.1100. This passed over the catalyst at 300° gave 80% catalyze contg. C_6H_6 8, thianthrene 13.7, and PbS 55.2%; at 350° the yield was 50% with 29.6% C_6H_6 , 14.8% thianthrene, and a trace of PbS; at 450° 45% with 35.3% C_6H_6 and 14.7% thianthrene; at 600°, 55% with 64.5% C_6H_6 and 11.3% thianthrene. PbSH was detected by odor in all cases.

G. M. Kosolapoff

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APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000929610016-7"

ZABRODINA, A.S.; LEVINA, S.Ya.

Use of copper for the absorption of halogens in the microdetermination of carbon and hydrogen. Zhur.anal.khim. 17 no.5:644-646 Ag '62. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Carbon--Analysis) (Hydrogen--Analysis) (Halogen compounds)

LEVINA, S.Ye. (Nizhniy Tagil)

Development of the concepts of oogenesis in embryonic and postnatal
stages of the mammalian life. Usp.sovr.biol. 48 no.2:207-217 8-0 '59.
(MIRA 13:3)

{OVARY embryol.
{OVARY physiol.)

LEVINA, S.Ye.

Development of human ovaries, Biol.MOIP. Otd.biol. 65 no.3:147
My-Je '60. (MIRA 13:7)

(OVARIES)

LEVINA, S.Ye.

Observations on gonad morphology in human embryogenesis. Zhur. ob.
biol. 22 no.3:192-200 My-Je '61. (MIRA 14:5)

1. Institute of Animal Morphology, U.S.S.R. Academy of Sciences,
Moscow.

(EMBRYOLOGY, HUMAN)

(GENERATIVE ORGANS)

(SUDANOPHILIA)

LEVINA, S.Ye.

Role of endocrine activity of the outer zone of the adrenal cortex
in the "feminization" of external sex organs in the human fetus.
Dokl. AN SSSR 139 no.4:1012-1015 Ag '61. (MIRA 14:7)

1. Predstavleno akademikom I.I. Shmal'gauzenom.
(ADRENAL CORTEX) (FETUS) (GENERATIVE ORGANS, FEMALE)

LEVINA, S. Ye.

Observations on the endocrine function of adrenal glands in human embryogenesis. Dokl. AN SSSR 139 no.5:1266-1268 Agt '61. (MIRA 14:2)

1. Predstavleno akademikom Yu.A. Orlovym.
(ADRENAL GLANDS)
(EMBRYOLOGY, HUMAN)

LEVINA, S.Ye.

Participation of suprarenal glands and ovaries in the morphogenesis
of genitals during the development of human fetus. Biul. MOIP.
Otd. biol. 67 no.1:158-159 Ja-F '62. (MIRA 15:3)
(FETUS)
(GENITOURINARY ORGANS)

LEVINA, S.Ye.

Observations on morphology and endocrine function of gonads in
human embryogenesis. Report No.2. Zhur. ob. biol. 23 no.1:64-71
'62. (MIRA 15:3)

(EMBRYOLOGY, HUMAN)

LEVINA, S.Ye.; BELENEV, Yu.N.

Artificial cryptorchism in rats. Biul. eksp. biol. i med.
54 no.12:94-99 D'62. (MIRA 16:6)

1. Iz Instituta morfologii zhivotnykh imeni A.N.Severtsova
AN SSSR i laboratorii endokrinologii Moskovskogo gosudarst-
vennogo universiteta imeni M.V.Lomonosova. Predstavlena
deystvitel'nym chlenom AMN SSSR A.V.Lebedinskim
(TESTICLE--ABNORMALITIES AND DEFORMITIES)

LEVINA, S. Ye. (Moskva)

Estrogens in human embryogenesis. Usp. sov. biol. 55 no.3:
440-452 My-Je '63 (MIRA 17:3)

LEVINA, S.Ye.; IVANOVA, Ye.A.

Biological determination of hypophyseal luteinizing gonadotropin
in human embryogenesis. Dokl. AN SSSR 153 no.2:493-496 N '63.
(MIRA 16:12)

1. Institut morfologii zhivotnykh im.A.N.Severtsova AN SSSR.
Predstavleno akademikom I.I.Shmal'gauzenom.

X

LEVINA, S.Ye.; IVANOVA, Ye.A.

Biological determination of hypophyseal prolactin in human embryogeny. Dokl. AN SSSR 155 no. 4:988-991 Ap '64. (MIRA 17:5)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR.
Predstavleno akademikom A.N.Bakulevym.

LEVINA, S.Ye. (Moskva, G-2, ul. Vakhtangova, 5, kv.12)

Morphology of human hypophysis in embryogenesis. Arkh. anat.,
gist. 1 embr. 48 no.1:78-83 Ja '65. (MIRA 18:11)

1. Laboratoriya gistologii (nauchnyy rukovoditel'- doktor biol.
nauk M.S. Mitskevich) Instituta morfologii zhivotnykh imeni
Severtsova AN SSSR, Moskva. Submitted July 8, 1963.

LEVINA, S. Yu. (Moskva)

Morbidity in young children. Sov. zdravookhr. 22 no.3:16-23
'63 (MIRA 17:1)

1. Iz Nauchno-metodicheskogo byuro sanitarnoy statistiki
Ministerstva zdravookhraneniya RSFSR (dir. L.A.Brushlinskaya).

LYAMPERT, I.M., LEVINA, T.A.

The nonspecific character of resistance occurring after parenteral administration of erythrotoxic toxin [with summary in English]
Biul.eksp.biol. i med. 45 no.4:50-52 Ap '58 (MIRA 11:5)

1. Iz otdela detskikh infektsiy (zav. - prof. P.V. Smirnov [deceased]) i otdela ranevykh infektsiy (zav. - deystvitel'nyy chlen AMN SSSR G.V. Vygodchikov) Instituta mikrobiologii i epidemiologii imeni N.F. Gamalei (dir. - deystvitel'nyy chlen Vsesoyuznoy akademii sbi' skokhozyastvennykh nauk im. Lenina S.N. Murotsev) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR G.V. Vygodchikovym.

(ANTIGEN-ANTIBODY REACTIONS,

non-specific resist, occurring after parenteral admin. of erythrotoxic toxin in rabbits (Rus))

(DIPHTHERIA,

toxin, non-specific resist, after parenteral admin. in rabbits (Rus))

LEVINA, T.A.

Phenomena of the rapid increase in resistance in experimental streptococcal infections. Zhur. mikrobiol. epid. i immun. 31 no. 5:40-45 My '60. (MIRA 13:10)

1. Is Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(STREPTOCOCCAL INFECTIONS)

LEVINA, T.A.

Some results of investigating the sediment regime of a slit-type
sand and gravel trap. Izv. AN Kazakh. SSR. Ser. energ. no.2:35-37
160. (MIRA 14:3)

(Hydraulics)

LEVINA, T.A.

Non-specific nature of rapidly developing resistance in experimental streptococcal and typhoid fever infections. Zhur, mikrobiol., epid. i immun. 40 no. 8:49-53 Ag '63. (MIRA 17:9)

1. Is ~~Immunologiya~~ epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

ASTAKHOVA, L.N.; UZNITSKAYA, P.M.; LEVINA, T.A.; KURANOVA, L.K.;
VODYANNIKOVA, A.A.; SUCHIL'NIKOVA, N.A.; MYL'NIKOVA, N.Ye.;
LYUBOVITSKAYA, V.Z.

Separability of the poliomyelitis virus in those inoculated
with live attenuated vaccine. Vop. virus 7 no.1:121 Ja-F '62.
(MIRA 15:3)

1. Sverdlovskiy institut po profilaktike poliomyelita.
(POLIOMYELITIS VACCINE)

KOTSAREV, V.N., gvardii podpolkovnik meditsinskoy sluzhby; LEVINA, T.A.

Rapid method for determining the sensitivity of microflora to antibiotics and bacteriophages. Voen.-med.zhur. no.7:72-74 '64. (MIRA 18:5)

LEVINA, TS.A., prof.; ROMANOVSKAYA, A.I., kand.med.nauk

Clinical test of new hypotensiv drug, plegangin. Kardiologiya
2 no.4:31-35 J1-Ag '62. (MIRA 15:9)

1. Iz ob"yedinennoy kafedry propedevtiki vnutrennikh bolezney
(zav. - prof. doktor meditsinskikh nauk TS.A.Levina) Odesskogo
meditsinskogo instituta imeni N.I.Pirogova.
(NORBORNANE)

LEVINA, TS.A., prof.; GRUZINA, Ye.A., dotsent; DMITRIYEVA, I.T., assistant;
ROMANOVSKAYA, A.I., assistant; SIVOKONEVA, N.A., assistant;
YACODKINA, N.I., assistant (Odessa)

Clinical test of a new spasmolytic substance limit in steno-
cardia. Klin.med. 40 no.5:67-70 '62. (MIRA 15:8)

1. Iz ob'yedinennoy kafedry propedeviki vnutrenniky bolezney
(sav. - prof. TS.A. Levina) Odesskogo meditsinskogo instituta
imeni N.I. Pirogova (dir. - zasluzhennyy deyatel' nauki prof.
I.Ya. Deyneka).

(ANGINA PECTORIS) (VASODILATORS)

LEVINA, Ts. A.

Levina, Ts. A. - "Effect of a mountain climate health resort on the general and regional arterial blood pressure and cardiovascular insufficiency," Vracheb. delo, 1949, No. 2, columns 137-40

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

LEVINA, Ts. A.

Levina, Ts. A. "The third supplementary point of auscultation of the heart", Vracheb. delo, 1949, No. 5, paragraphs 461-62.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

22020 Ievina, Ts. A. i Potnenko, A. M. M. I. Orlov (Terapevt Nefrolog). Vracheb. delo,
1949, No. 7, str. 663-64.

SC: Ietopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

LEVINA, TS. A.; TERLEFSKAYA, T. M.

Non-medicinal treatment of hypertension and other internal diseases with sleep therapy. Sovet. med. no.10:17-19 Oct 1951.
(CJML 21:1)

1. Prof. Levina. 2. Of the Department of Propedeutics of Internal Diseases (Head — Doctor Medical Sciences Prof. Ts. A. Levina), Odessa Medical Institute imeni N. I. Pirogov.

LEVINA, TS.A.; BUKSHPAN, M.X.

Effect of vasodilators on blood pressure fluctuations in cerebral forms of hypertension. Ter. arkh. 23 no.1:19-21 Jan-Feb 51. (CIML 20:8)

1. Professor Levina; Docent Bukshpan. 2. Of the Faculty and Hospital Therapeutic Clinics (Head--Prof. Ts.A. Levina), Odessa Medical Institute.

LEVINA, Ts.A., doktor meditsinskikh nauk

Characteristics of the formation of conditioned reflexes in hypertension. Terap.arkh. 27 no.1:28-34 '55. (MLRA 8:7)

1. Iz kafedry propedevtiki vnutrennikh bolezney (sav. prof. TS.A. Levina) Odeskogo meditsinskogo instituta imeni N.I.Pirogova.

(HYPERTENSION, therapy,
sleep ther.)

(SLEEP, therapeutic use,
hypertension)

LEVINA, TS.A., professor; SHPOLYANSKAYA, B.I.

Determining the rate of flow of venous and arterial blood as a functional diagnosis method in various stages of insufficient blood circulation. Vrach. delo no.1:31-33 Ja '57 (MIRA 10:4)

1. Kafedra propedeviki vnutrennikh bolezney (sav.-prof. TS. A. Levina) Odesskogo meditsinskogo instituta.
(BLOOD--CIRCULATION, DISORDERS OF) (BLOOD PRESSURE)

LEVINA, TS.A., prof., GRUZINA, Ye.A., dots., VASIL'YEVA, N.A., ROMANOVSKAYA, A.I.,
YAGODKINA, N.I., PAVLOVA, O.V.

Treating stenocardia with nitranol. Sov.med. 22 no.8:119-126 Ag '58
(MIRA 11:10)

1. Is propedevticheskoy terapevticheskoy kliniki (sav. prof.
TS.A. Levina) Odesskogo meditsinskogo instituta imeni N.I. Pirogova
(dir. prof. I.Ya. Dayneka).

(ANGINA, PECTORIS, ther.

aminotrate (Rus))

(NITRITES, ther. use

aminotrate in angina pectoris (Rus))

LEVINA, TS.A., prof., AKSENT'YEV, S.B., ROMANOVSKAYA, A.M. (Odessa)

Rheocardiographic method of studying patients with coronary insufficiency. Klin.med. 36 no.8:105-111 Ag '58 (MIRA 11:9)

1. Iz kafedry propedevтики vnutrennikh bolezney Odesskogo meditsinskogo instituta imeni N.I. Pirogova i Odesskogo nauchno-issledovatel'skogo piskhonevrologicheskogo instituta.

(CORONARY DISEASE, physiol.

rheocardiography in insuff. (Rus))

LEVINA, TS.A., prof.; MILOSTANOVA, V.V. (Odessa)

Tissue therapy in pneumosclerosis and pulmonary emphysema.
Vrach.delo no.2:185-186 F '59. (MIRA 12:6)

1. Kafedra propedeviki vnutrennikh bolezney (sav. - prof.
TS.A.Levina) Odesskogo meditsinskogo instituta.
(LUNGS--DISEASES) (EMPHYSEMA, PULMONARY) (TISSUE EXTRACTS)

LEVINA, TS.A., prof.; ROMANOVSKAYA, A.I.

Clinical investigations of the effectiveness of the new
hypotensive drug mecamine. Terap.arkh. 32 no.10:80-83
'60. (MIRA 14:1)

1. Iz kafedry propedevтики vnytreennykh bolezney (zav. - prof.
TS.A. Levina) Odesskogo meditsinskogo instituta.
(AUTONOMIC DRUGS) (HYPERTENSION)

LEVINA, TS.A., prof.; DUBOVYY, Ye.D., prof.; GRUZINA, Ye.A., dotsent

Treatment of cardiovascular diseases and circulatory insufficiency with radioactive iodine. Vrach.delo no.2:201 F '60.

(MIRA 13:6)

1. Kafedra propedevtiki vnutrennikh bolezney (sav. - prof. TS.A. Levina) i kafedra rentgenologii i radiologii (sav. - prof. Ye.D. Dubovyy) Odesskogo meditsinskogo instituta.
(CARDIOVASCULAR SYSTEM--DISEASES) (IODINE--ISOTOPES)

LEVINA, TS.A., prof.; RYVKIN, A.I., zasluzhennyy vrach USSR

Results of the certification of therapists. Vrach.delo no.5:
511-513 My '60. (MIRA 13:11)

1. Glavnyy terapevt Nikolayevskogo oblastnogo zdravotdela (for
Ryvkina).
(NIKOLAEV PROVINCE--THERAPEUTICS)

LEVINA, TS.A., prof.

Principles and some methods of treating hypertension. Vrach.
delo no.7:3-9 JI '60. (MIRA 13:7)

1. Propedevticheskaya terapevticheskaya klinika (zavednyushchiy -
prof. TS.A. Levina) Odesskogo meditsinskogo instituta.
(HYPERTENSION)

LEVINA, TS.A.) SEREBRINA, L.A.

So-called malignant hypertension. Terap. arkh. 32 no. 4:85-88 S '60.
(MIRA 14:1)

(HYPERTENSION)

LEVINA, T.S.A.; PAVLOVA, O.V.

Role of neurogenic factors in the development of diseases of the blood.
Trudy Kiev. nauch.-issl. inst. perel. krovi i neotlozh. khir. 3:183-187
'61. (MIRA 17:10)

1. Propedevticheskaya terapevticheskaya klinika Odesskogo meditsinskogo
instituta imeni N.I. Pirogova.

LEVINA, TS.A.; DMITRIYEVA, I.T.

Differential diagnosis of leukemia and leukemoid reactions. Trudy Kiev.
nauch.-issl. inst. perel. krovi neotlozh. khir. 3:201-204 '61.
(MIRA 17:10)

1.1. Ob'yedinennaya propedevticheskaya terapevticheskaya klinika
Odesskogo gosudarstvennogo meditsinskogo instituta imeni Pirogova.

LEVINA, TS.A., doktor med.nauk, prof.; ROMANOVSKAYA, A.I., kand.med.nauk

Treatment of hypertension with tropaphen. Sov.med. 25 no.4:67-70
Ap '61. (MIRA 14:6)

1. Iz kafedry propedevtiki vnutrennikh bolezney Odesskogo meditsinskogo instituta imeni N.I.Pirogova (dir. - zasluzhennyy deyatel' nauk prof. I.Ya.Deyneka).
(HYPERTENSION) (PROPIONIC ACID)

LEVINA, TS.A., prof.; GRUZINA, Ye.A., dotsent; DMITRIYEVA, I.T.;
ROMANOVSKAYA, A.I.; SIVOKONEVA, N.A.; YAGODKINA, N.I.

Treatment with persanthine of stenocardia. Vrach.delo no.10:20-26
0 '62. (MIRA 15:10)

1. Kafedra propedevtiki vnutrennikh bolezney (zav. - prof. TS.A.
Levina) Odesskogo meditsinskogo instituta.
(ANGINA PECTORIS) (PYRIMIDINES)

LEVINA, IS.A.

Nitrandol therapy of patients with stenocardia. Khim. i med.
no.16:44-50 '67. (MIRA 17:8)

LEVINA, TS.A., prof.; GRUZINA, Ye.A., dotsent; DMITRIYEVA, I.T.;
ROMANOVSKAYA, A.I.; SIVOKONEVA, N.A.; YAGODKINA, N.I.

Study of the effectiveness of the spasmolytic agent dietafen
(etafen) in stenocardia. Sov. med. 27 no.12:103-106 0 '64.
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1. Ob"yedinennaya kafedra propedevtiki vnutrennikh bolezney
(zav.- prof. TS.A. Levina) Odesskogo meditsinskogo instituta
imeni Pirogova.

LEVINA, T.B.

Dynamics of an unconditioned defense reflex in adaptation reactions of the body according to electrocardiographic data. Uch.zap. MGPI 84:43-46 '55. (MIRA 9:11)

1. Is kafedry fiziologii Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni V.I.Lenina, zav. kafedroy prof. V.M.Kas'yanov.
(REFLEXES) (ELECTROCARDIOGRAPHY)

SUDOPLATOV, A.P., doktor tekhn. nauk, prof., red.; YEROFEYEV, V.F.,
otv. red.; VESKOV, M.I., otv. red.; ARKHIPOV, N.A., red.;
ZHUKOVA, A.P., red.; RYKOVA, Z.L., red.; CHIZHOVA, V.V.,
red.; KUPTSOVA, Ye.M., red.; LEVINA, T.I., red.

[Coal mining without the constant presence of miners at
the working faces; materials] Razrabotka ugol'nykh plastov
bez postoyannogo nakhozhdeniya rabochikh v zaboe; materialy.
Pod red. A.P.Sudoplatova. Moskva, TSentr. in-t tekhn.
informatsii ugol'noi promyshl., 1960. 251 p.

(MIRA 18:8)

1. Nauchno-metodicheskoye soveshchaniye po izyskaniyu sistem
razrabotki bez postoyannogo nakhozhdeniya rabochikh v zaboye,
Moscow, 1960. 2. Tsentral'nyy institut tekhnicheskoy informa-
tsii ugol'noy promyshlennosti (for Kuptsova, Levina, Arkhipov,
Zhukova, Rykova, Chizheva).

PETRENKO, P.V.; EL'KIN, I.L.; KAZAKOV, S.S.; VOZHIK, D.L.; DENISOV, V.V.; PUCHKOV, V.I.; BOGUTSKIY, N.V.; SABEL'YEV, I.P.; KOLENTSEV, M.T.; MERKULOV, N.Ya.; VERKLOV, V.A.; OVSIANNIKOV, P.A.; SOSNOV, V.D., *otv. red.*; CHIZHOVA, V.V., *otv.red.*; ZHUKOVA, A.P., *red.*; LEVINA, T.I., *red.*; PRONINA, N.D., *tekhn. red.*; OVSEYENKO, V.G., *tekhn. red.*

[Practice of using cutterloaders] Opyt ispol'zovaniia ochistnykh kombainov; sbornik statei. Moskva, 1962. 102 p.
(MIRA 16:2)

1. Tsentral'nyy institut tekhnicheskoy informatsii ugol'noy promyshlennosti.

(Coal mining machinery)

KREMENETSKIY, I.Ya. (Moskva); LEVINA, T.N. (Moskva)

New factory in Moscow. Shvein.prom. no.4:32-35 J1-Ag '63.
(MIRA 16:9)

LEVINA, Ts. M.

" Characteristics of the Causative Agents of Dysentery Isolated in the Crimea."
Cand Med Sci, Crimean Medical Inst, Simferopol', 1954. (KZhBiol, No 7, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (16).

USSR/Medicine - Dysentery

Card 1/1

Authors : Domrachev, V. M. and Levina, Ts. M.

Title : Concerning the problem of immunological reaction responses of dysentery patients.

Periodical : Zhur. mikrobiol. epid i immun. 4, 56-60, Apr 1954

Abstract : Correlations between clinico-bacteriological and clinico-immunological examinations of dysentery patients are discussed in detail. Biochemical characteristics, agglutinability of corresponding patient anti-serums and cultures, phagolyzability, and resistance to synthemycin were investigated. Agglutination reactions were used to determine both the immunological reaction responses of the patients, and the antigenicity of the given strains of dysentery bacilli. The results are given in chart form. No references are cited.

Institution : Clinic of Infectious Diseases (Head-Prof. V. M. Domrachev) of the Crimean Medical Institute im I. V. Stalin and the Crimean Oblast Institute of Epidemiology and Microbiology (Director - Docent P. A. Korolev)

Submitted : July 13, 1953

KLIMOV, K.V.; LEVINA, TS.M.; KUSHNEVA, T.N.

Determination of the sensitivity of dysentery bacilli to antibiotics of the tetracycline group using the diffusion in the agar method. Antibiotiki 10 no.6:544-546 Je '65. (MIRA 18:7)

1. Kafedra infektsionnykh bolezney (zav. - prof. V.M. Domrachev)
Krymskogo meditsinskogo instituta i 2-ya gorodskaya Bol'nitsa, Simferopol'.

LEVINA, TS.M.

Authors' abstracts. Zhur.mikrobiol., epid. i immun. 42 no.2:142-143
F '65. (MIRA 18:6)

1. Simferopol'skaya 2-ya bol'nitsa.

LEVINA, V. A.

V. A. Levina, D. M. Orezov, and G. A. Pugachenkova, Arkhitektura turkmenskogo narodnogo zhillishcha (Architecture of Turkman Folk Dwellings), Press for Literature on Building and Architecture, 7 sheets.

The booklet generalizes on the material obtained by the South Turkmen Combined Archeological Expedition. The authors describe the architecture of dwellings of the 18th and 19th centuries, of the southern, and southeastern regions of the Turkmen SSR.

The booklet is of interest to architects, builders, historians, ethnographers, art experts, and other specialists.

SO: U-6472, 18 Nov 1974

LEVINA, V.A., starshiy inzhener

The operation of RMMV rectifiers is more stable now. Elek. i
tepl. tiaga 4 no.5:21-22 My '60. (MIRA 13:7)

1. Uchastok energosnabzheniya Panki, Moskovskoy dorogi.
(Electric substations) (Electric current rectifiers)
(Electric railroads--Equipment and supplies)

LEVINA, V. B.

"On the Chologic Action of Decholin," Farmakol. i toksikol., 4, No. 2, 1941.

Mr., Dept. New Organopreparations, Ukr. Central Inst. Endocrinology & Organotherapy,
1941-.

VORONIN, A.V.; LEVIN, V.I.; KHAMITKOVA, N.V.

Problem of selecting the parameters of electric power supply
systems for electric traction. Elek. zhel dor. no. 2:6-27
'60. (MIRA 14:2)
(Electric railroads--Current supply)

BELOV, N.P.; LEVINA, V.I.; ZHUKOVA, R.A.; ROYZIN, M.B.; PEREVERZEV,
V.N.; MANAKOV, K.N.; BARANOVSKAYA, A.V., kand. geol.-miner.,
red.; ZAMOTKIN, N.Ya., red.; CHEREVATYY, P.P., tekhn. red.

[Soils of Murmansk Province and the improvement of their
fertility] Pochvy Murmanskoi oblasti i povyshenie ikh
plodorodiia. [By] N.P.Belov i dr. Kirovsk, Izd-vo
"Kirovskii rabochii," 1963. 117 p. (MIRA 17:3)

LEVINA, V.I.

Distribution of the complex with *Recurvoides scherkalyensis* in
Upper Jurassic sediments in the southwestern part of the West
Siberian Plain. Trudy SNIIGGIMS no.23:80-87 '62. (MIRA 16:9)
(West Siberian Plain--Foraminifera, Fossil)

SUKIASYANTS, Grigoriy Nikitovich; LEVINA, Valentina Ivanovna;
ZHUKOV, G.I., red.; YEVDOKIMOVA, Z.N., tekhn.red.

[Drugs manufactured by industrial enterprises of the
U.S.S.R. for public health] Meditsinskie preparaty vy-
puskaemye promyshlennymi predpriiatiiami SSSR dlia zdрави-
okhraneniia. Moskva, Medgiz, 1956. 138 p. (MIRA 17:1)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.

LEVINA, V. I.

PART I BOOK EXPLOSION 507/7216

Serebreniye po elektrokhemii. 4th, Moscow, 1956.

Trudy... (Abstracts) (Transactions of the Fourth Conference on Electrochemistry) (Collection of Articles) Moscow, 1st-4th April 1956, 1959. 665 p. 1959. 110 illustrations. 2,500 copies printed. Sponsoring Agency: Akademiya nauk SSSR, Otdeleniye khimicheskikh nauk.

Editorial Board: A.M. Prusakov (Resp. Ed.) (Academician, O.A. Yashin, Professor, S.I. Zhdanov (Resp. Secretary), S.B. Kabanov, Professor, S.I. Zhdanov (Resp. Secretary), S.B. Kabanov, Professor, Ya. M. Kalyuzhkin, Doctor of Chemical Sciences, V.V. Lasev, P.D. Lavortov, Professor, Z.I. Solov'yev, V.V. Stenger, Professor, and O.M. Pletinskii, Ed. of Publishing House M.G. Gogorev, Tech. Ed.: T.A. Prusakov.

PURPOSE: This book is intended for chemical and electrical engineers, metallurgists, metallurgists and researchers interested in various aspects of electrochemistry.

CONTENTS: The book contains 137 of the 139 reports presented at the Fourth Conference on Electrochemistry sponsored by the Department of Chemical Sciences and the Institute of Physical Chemistry, Academy of Sciences, USSR. The collection pertains to different branches of electrochemical kinetics, double layer theories and electrochemical processes in metal electrodeposition and industrial electrolysis. Abridged discussions are given at the end of each division. The majority of reports not included here have been published in periodical literature. No particularities are mentioned. References are given at the end of each of the articles.

A.A. Zhdanov-Gorkiy Polytechnic Institute (Inst. A.A. Zhdanov). Influence of Aging Processes on the Work of Alkaline-Zinc Elements 768

Lavortov, P.D. Theory of Processes Occurring at Oxide Electrodes of Chemical Sources of Current 773

Rosentau, S.A. and V.I. Lashin. Mechanism of the Activation of an Iron Electrode with Small Additions of Nickel Oxides 781

Balashova, E.A., V.A. Ivanov, and L.D. Kravtsov (Institute of Electrochemistry, Academy of Sciences, USSR). Using Tagged Atoms to Study Processes in Chemical Sources of Current 788

Daniylov, B.K., V.A. Kints, V.V. Stenger, and M.V. Zhdanova (Mashinostroyeniye, 1956). 110 illustrations. 2,500 copies printed. Sponsoring Agency: Akademiya nauk SSSR - Scientific Ministry of Communications, USSR. Investigation of Fuel

Card 31/31

Shumakov, E.A. and E. Kh. Puchkovskiy (Institute for Electrochemistry, AS USSR, Moscow). Iron-Carbon Element 801

Laykin, D.I. (Institute of Electrochemistry, Academy of Sciences, USSR). Effect of Salt or Oxide Layers Formed in Discharge or Charging Processes on the Passivation of Battery Electrodes 807

Solov'yev, Z.I. and Z.A. Leont'yeva. Influence of Cathodic Polarization at Low Temperatures on the Anode Potential of an Iron Electrode in an Aqueous Solution 811

Discussion (S.A. Gantman, E.S. Lidorov, P.P. Yuppels, A.P. Esentov and contributing authors) 814

PART I. ELECTROLYSIS IN THE CHEMICAL INDUSTRY 821

Card 32/31

LEVINA, V.I.

Estimating the yearly amount of organic matter shed by trees in
two types of pine forests on the Kola Peninsula. Bot.zhur. 45
no.3:418-423 M. '60. (MIRA 13:6)

1. Polyarno-al'piyskiy botanicheskiy sad Akademii nauk SSSR,
g.Kirovsk.
(Kola Peninsula--Forest litter)

LEVINA, V.I.

Mineral element exchange between moss-lichen undergrowth and soils in two different types of pine forest on the Kola Peninsula. Pochvovedenie no.5 30-42 My '60. (MIRA 14:4)

1. Kol'skiy filial imeni S. M. Kirova Polyarno-al'piyskiy botanicheskiy sad AN SSSR.

(Kola Peninsula—Minerals in soil)

LEVINA, V.I.

Age of the producing layer in the Berezovo gas-bearing region. Trudy
SNIIGGIMS no.26:29-33 '62. (MIRA 16:3)
(Berezovo region (Tyumen' Province)—Geological time)

ACC NR: AP6030629

SOURCE CODE: LR/001/00/000/016/017/01

INVENTOR: Kakovina, V. G.; Gorbacheva, V. V.; Levina, V. K.

ORG: none

TITLE: A method of removing scale from the surface of titanium or its alloys.
Class 48, No. 185163/[announced by the Progress Plant (Zavod "Progress")]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 125

TOPIC TAGS: titanium, titanium alloy, titanium electrochemical pickling, titanium alloy electrochemical pickling

ABSTRACT: This Author Certificate introduces a method for removing scale from the surface of titanium or its alloys by electrolytic pickling in acid solutions containing sodium fluoride. To improve the surface quality, pickling is done in an electrolyte containing (g/l) 400—500 orthophosphoric acid, 30—40 nitric acid, 40—60 sodium fluoride or 180—200 sulphuric acid, 45—50 sodium fluoride, with an initial anodic current density of 1.0—5 a/dm², at a temperature of 40—50C for removing scale which was formed below 700C, or at 70—80C for removing scale which was formed above 700C.

[WW]

SUB CODE: 11/ SUBM DATE: 01Mar65/ ATD PRESS: 5075

Cord 1/1 *int*

UDC: 621.357.8.:669.295

ACC NR: AP6036105

(N)

SOURCE CODE: UR/0365/66/002/006/0623/0627

AUTHOR: Fayzullin, F. F.; Lavina, V. K.

ORG: Kazan State University im. V. I. Ul'yanov-Lenin (Kazanskiy gosudarstvennyy universitet)

TITLE: Anodic passivation of chromium in alkaline solutions

SOURCE: Zashchita metallov, v. 2, no. 6, 1966, 623-627

TOPIC TAGS: chromium, cathode polarization, corrosion protection

ABSTRACT: The subject of the experiments was electrolytic chromium of 99.9% purity. The electrode was a plate with a total surface of 3 cm². An electronographic study was made of the structure of the surface of the electrode, and the electrolyte was analyzed for sesquivalent chromium. Based on the experimental data, curves are given for: polarization of chromium in 1 and 10 N solutions of KOH; dependence of the concentration of chromate ions in the solution on the potential of the electrode; dependence of the chromium potential on time in anodic polarization; and the potential drop after polarization of chromium in the passivation region. The following conclusions were drawn: 1) the passivity of chromium is due to formation, during the first stage of anodic polarization, of an absorption oxide of the type $\text{Cr-OH}_{\text{ads}}$, which is subsequently transformed into a phase film; 2) the passivated film has a

Cord 1/2

UDC: 541.138.2

ACC NR: AP6036105

p-type conductivity; 3) the passage of chromium into solution during the stage of passivation takes place through an oxide semiconducting film. Orig. art. has: 4 figures and 1 table.

SUB CODE: 11, 20/ SUBM DATE: 03Jan66/ ORIG REF: 018/ OTH REF: 008

Card 2/2

LEVINA, V. L.

Levina, V. L. - "Determining the reduction equivalent of fuel minerals", Trudy Vsesoyuz. nauch.-issled. i-tya mineral. syr'ya, Novaya s-riya, Issue 1, 1949, p. 45-49.

SO: U-4631, 16 Sept. 53, (Letovis 'Zhurnal 'nykh Statey, No. 24, 1949).

SOV/81-59-5-16139

Translation from: Referativnyy zhurnal, Khimiya, 1959, Nr 5, p 347 (USSR)

AUTHORS: Leyzerzon, M.S., Levina, V.L.

TITLE: The Problem of the Physico-Chemical Methods of Mica Processing

PERIODICAL: Tr. Vses. n.-i. in-ta asbesta, slyudy, asbestotsementn. izdeliy i provektir. str-va predpriyatiy slyud. prom-sti, 1958, Nr 9, pp 127 - 162

ABSTRACT: Data are given on the investigation of the process of mica cleavage, as well as on the testing of various methods for the processing of mica and micanites. The effectiveness was established of applying the physico-chemical processing of mica, phlogopite and muscovite prior to mechanical pinching. It is pointed out that the physico-chemical processing of mica in combination with the mechanical separation of the crystals practiced in the Bulgarian People's Republic, enables one to produce standard micanites, avoiding the stage of obtaining standard pinched mica by means of manual cleavage.

Card 1/1

G. Maslennikova

SHUGAM, Ye.A.; LEVINA, V.M.

Use of x-ray phase analysis in the solution of various problems
in the production of chemical reagents. Report No.1. Trudy
IREA no.22:50-52'58. (MIRA 14:6)

(Chemical tests and reagents)
(X rays—Industrial applications)

LEVINA, V. M.

SHUKAN, P. A.
SHUKAN, P. A.; LEVINA, V. M.

"The Crystal and Molecular Structure of Bisul Sulfonamide
carbamate $H_2C_6H_4(SO_2NH_2)_2$ "

A report presented at Symposium of the International Union of
Crystallography Leningrad, 21-27 May 1979

GOL'DER, G.A.; ZHDANOV, G.S.; LEVINA, Y.M.; NOVOSHEL'SKAYA, G.N.; SHUGAM, Ye.A.

Application of X-ray phase analysis in chemical technology. Zav.
lab. 25 no.2:181-182 ' 59. (MIRA 12:3)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni
L. Ya.Karpova.
(X rays--Industrial applications) (Metals--Analysis)

SHUGAM, Ye.A.; LEVIHA, V.M.

π -bonds in the molecule of nickel diethyldithiocarbamate. Kristallo-
grafia 5 no.2:257-260 M-Ap '60. (MIRA 13:9)

1. Vsesoyuznyy institut khimicheskikh reaktivov.
(Nickel compounds) (Chemical bonds)

LEVINA, V.P.; FEDCHENKO, L.G.

Traumatic dextroventricular aneurysm of the heart. Vest. khir.
94 no.1:115-116 Ja '65. (MIRA 18:7)

1. iz gosital'noy khirurgicheskoy kliniki (zav. - dotsent N.N.
Zemskov) Luganskogo meditsinskogo instituta.

GOPKHOVSKIY, Yu.N.; LEVINA, V.V.; KUCOVA, E.B.

Using the "diatent" method for testing color printing papers.
Zhur.nauch.i prikl.fot. i kin. 6 no.4:289-293 JI-Ag '61.
(MIRA 14:11)

1. Gosudarstvennyy opticheskiy institut imeni S.I. Vavilova.
(Color photography--Printing papers)

GOROKHOVSKIY, Yu.N.; LEVINA, V.V.

Efficient sensitivity criterion of black-and-white and color
photographic materials. Usp. nauch. fot. 8:179-194 '62.
(MIRA 17:7)

KOZLOV, V.N.; KAZANINA, A. Ye.; LEVINA, V.V.

Esterification of tar and fatty acids of tall oil by means of
xylitol. Gidroliz. i lesokhim.prom. 14 no.4:9-11 '61.
(MIRA 14:5)

1. Ural'skiy lesotekhnicheskii institut.
(Tall oil)
(Esterification)

S/058/63/000/001/068/120
A160/A101

AUTHORS: Gorokhovskiy, Yu. N., Levina, V. V.

TITLE: The rational light-sensitivity criterion of black-and-white and color photographic negative materials

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 86 - 87, abstract 1D623 ("Uspekhi nauchn. fotogr.", 1962, 8, 179 - 194)

TEXT: Investigated are the various light-sensitivity criteria of black-and-white and color photographic materials, and also the arguments which are in favor of accepting or rejecting these or those photographic materials. In view of the differences of opinion to be found in the literature regarding this problem, experimental investigations were conducted of the practical light-sensitivity of various materials. The practical light-sensitivity was compared with the data of the sensitometric light-sensitivity. The latter was determined when developing up to a given gamma by three criteria ($D = 0.1, 0.2, \text{ and } 0.85$ above the fog) for black-and-white materials, and by four criteria ($C_n^1 = 0.1, 0.2, 0.85$ above the fog for the single colors, and $D_{eff} = 0.85$ above the fog for the

Card 1/2